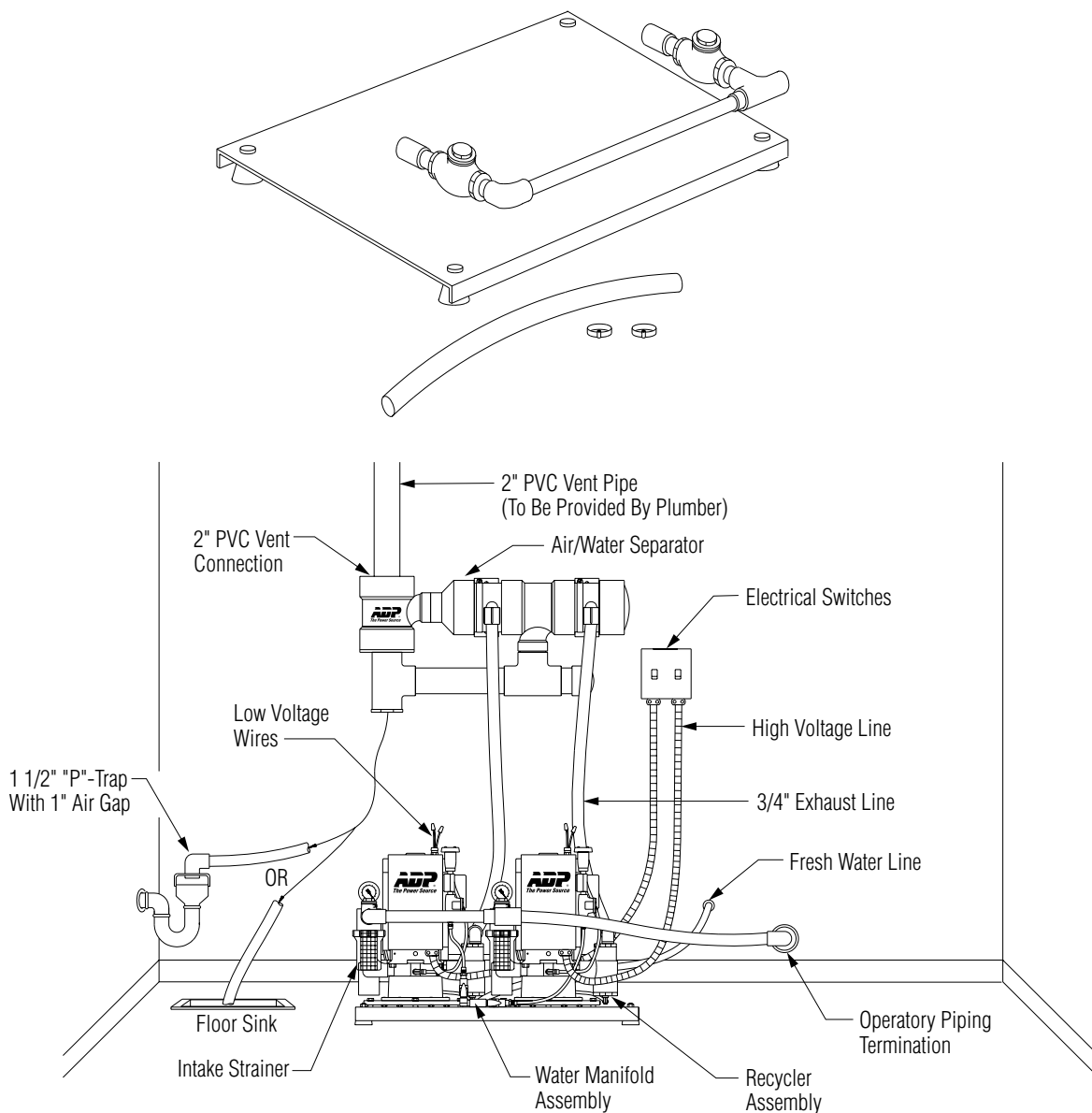


Installation Instructions

Single Vacuum To Twin Vacuum Conversion Kit

Part #AVA85190



CAUTION: Never Operate Equipment Without Complete And Proper Grounding.

Description:

Apollo Dental Products Vacuum Systems VT Conversion Kit was developed to allow for expansion of an existing Apollo Single Vacuum System to a twin vacuum system in the event vacuum needs outgrow current capacity. The kit includes: intake manifold, check valve assembly, exhaust hose elbow assembly, water supply assembly, a mounting plate, and all the plumbing and hardware necessary to make the conversion. The kit is an attractive alternative to simply replacing the system in that it offers substantial cost savings. It is important when upgrading a system, to use pumps of equal horsepower and construction. Failure to do so will result in poor performance and premature failure.

NOTE: An Apollo Twin Exhaust Separator is required for twin pump operation. Order part #AVAVXS2.

Installation:

1. Turn power **OFF** to vacuum at main circuit breaker panel.
2. Place the **ON/OFF** valve at the water supply manifold in the **"OFF"** position and disconnect water supply poly-flow tube lines from the **ON/OFF** supply manifold..
3. Disconnect exhaust line from either the sewage termination, or exhaust separator.
4. Mount the pumps onto the twin platform with the 1/4" x 5/16" ID spacers between the pumps and the mounting plate
5. Remove ploy-flow connector from the water supply line.
6. Attach the supplied hose assembly to supply line.
7. Connect poly-flow tubes from pump water strainer inlet fittings to new water supply manifold.
8. Remove the hose adapter fitting from the pump exhaust and install the new exhaust hose elbow assembly into it's exhaust outlet.
9. Attach 3/4" exhaust/drain hoses to exhaust separatoe and glue with PVC type cement.
10. Connect high voltage electrical supply line to the new pump as indicated in electrical diagram.
See pump installation manual.
11. For low voltage remote control of the individual pumps, an Apollo Twin Vacuum Master Control Panel is required. To operate second vacuum unit using a single vacuum switch panel, connect the red and blue low voltage wires of the new pump to red and blue wire connections of the first pump. **Do not connect the white low voltage wire.**
12. Remove any adaptors from the inlet strainers of the pumps and then install a check valve assembly into each strainer.
13. Push the twin vacuum intake manifold on, glue with PVC type cement, and connect vacuum line from operatories.
14. Switch the vacuum main circuit breakers **"ON"** and start pumps.
15. Check exhaust tubing to ensure that water is flowing through the pumps.

IMPORTANT: Do not run pumps without full pressure water supply as serious pump seal damage will result.

16. Check vacuum gauge to ensure that each pump is functioning properly. Vacuum relief is factory preset for 10 inches Hg vacuum. Both relief valves should be set for the same vacuum relief pressure.

Warranty Information: 90 Days

All ADP accessories are thoroughly inspected and tested in accordance with rigid specifications and standards. Our accessories are guaranteed against any defective material and workmanship from the date of shipment; provided that the installation, operation, and maintenance is done in accordance with ADP procedures as outlined in our Installation and Maintenance Guides. Warranty cards must be returned to ADP within ten days of installation to effect warranty. No other warranties or guarantees, expressed or implied are made.

ADP's obligation under the warranty is to provide parts for the repair or, at its option, to provide the replacement product (excluding labor). All special, incidental and/or consequential damages are excluded. We will not issue credit for accessories without first attempting to correct the problem in the field. Written notice of breach of warranty must be given to ADP within the warranty period. The warranty does not cove damage resulting form improper installation or maintenance, accident or misuse. The warranty does not cover damage resulting from the use of cleaning, disinfecting or sterilizing chemicals and processes. The warranty does not cover vacuum failures due to hard water deposits. Failure to follow instructions provided in ADP's Installation and Maintenance Guides may void the warranty.